

ABSTRACT OF THE DISCLOSURE

The invention can be summarized as follows. The present invention provides a reverse-micellar delivery system for enhanced absorption of an agent of interest across biological membranes such as the gastro-intestinal tract of mammals. The reverse-micelles comprise at least one ionic amphipathic compound, and at least one polar active agent ionizable in aqueous or physiological media. The delivery system facilitates transportation of the agent across the gastro-intestinal tract or other membranes and enhances the *in-vivo* release and availability of the agent(s) of interest within a fluid environment.